INTERNATIONAL SEARCH REPORT

Internation Replication No
PCT/US2005/000120

CLASSIFICATION OF SUBJECT MATTER PC 7 B29C45/16 B29C B29C45/14 B60R13/02 According to international Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 B29C Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X PATENT ABSTRACTS OF JAPAN 1,5,7-9, vol. 2000, no. 08, 11 - 166 October 2000 (2000-10-06) -& JP 2000 127862 A (TOYOTA AUTO BODY CO LTD), 9 May 2000 (2000-05-09) paragraphs '0002!, '0006!, '0013!, Y 4,6 '0016! '0014!, abstract figures 3-8 EP 0 734 832 A (KASAI KOGYO CO., LTD) X 17 2 October 1996 (1996-10-02) column 5, lines 21-28 column 7, lines 19-37 column 8, line 33 - column 9, line 34 figures 2,6,10-13 Further documents are listed in the continuation of box C. Patent family members are listed in annex. X Special categories of cited documents: *T* tater document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention earlier document but published on or after the International "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled document referring to an oral disclosure, use, exhibition or other means in the art. document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 5 April 2005 11/04/2005 Authorized officer Name and mailing address of the iSA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Bibollet-Ruche, D Fax: (+31-70) 340-3016

INTERNATIONAL SEARCH REPORT

Internation pplication No
PCT/US2005/000120

C (Canalan	HAD DOCUMENTS CONCIDEDED TO BE BEI EVANT	1017 0320037 000120			
C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.		
					
X .	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 03, 31 March 1999 (1999-03-31) & JP 10 315241 A (TOYOTA MOTOR CORP), 2 December 1998 (1998-12-02) abstract		1,5,7		
Y	US 5 626 382 A (JOHNSON ET AL) 6 May 1997 (1997-05-06) column 3, lines 13-29; figures column 4, lines 1-17 column 5, lines 1-11 column 6, lines 1-9 figures 2-5		6		
A	US 5 429 786 A (JOGAN ET AL) 4 July 1995 (1995-07-04) abstract		1-17		
		,			
•					
		i			

INTERNATIONAL SEARCH REPORT

Internation pplication No
PCT/US2005/000120

Patent document cited in search report			Publication date		Patent family member(s)	Publication date
JP	2000127862	Α	09-05-2000	NONE		
EP	0734832	A	02-10-1996	JP JP DE DE EP ES KR	2897863 B2 8267479 A 69622906 D1 69622906 T2 0734832 A2 2180696 T3 157014 B1	31-05-1999 15-10-1996 19-09-2002 16-10-2003 02-10-1996 16-02-2003 01-12-1998
JP	10315241	A	02-12-1998	NONE		
US	5626382	A	06-05-1997	EP . GB WO	0814974 A1 2314290 A ,E 9631369 A1	07-01-1998 3 24-12-1997 10-10-1996
US	5429786	Α	04-07-1995	JP JP DE GB	2701683 B2 6143337 A 4336878 A1 2271956 A ,E	21-01-1998 24-05-1994 05-05-1994 3 04-05-1994